	Particulars	Unit	Qty	Rate	Amount
	pplying and fixing one of the fuse cutouts having porcelain base approved quality on the existing wooden block and wiring complete.(BWSSB SR 14-15 P-515 I-3(C)) 63 amps 3x4	No	180.00	231.00	41580.00
3	Supplying and delivery at site brand new texmo / innoval / Lubi / Sabar / Atalanta / Calamal make suitable for vertical installation in 150mm dia borewell comprising of single stage of multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required accessories such as suction casing suction strainers sand guard Non return value etc., complete. The pump and motor shall form an integral unit with all the required fittings 12.5 HP 25 stage , Item No: 27, Page No:XXXXII, PWD SR-2015-16	No	5.00	63400.00	317000.00
44	Supplying of LTUG Cable having aluminium conductor PVC insulated sheathed galvanized steel wire/ steel tape armored cable with PVC outer sheathing 1.1KV class conforming IS 1554 -PVC Cable)(BWSSB SR 14-15 P-547 I 10(d)	Rmtr	200.00	165.00	33000.00
45	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (BWSSB SR 14-15 P- 548 ,I 12(b))	Cum	90.00	55.00	4950.00
46	Labour charges for laying 1.1KV class UG cable when supplied departmentally/agency in existing trench GI pipe/stoneware pipe/on wall/on pole as required. (BWSSB SR 14-15 P- 547 ,I 11(a))	Rmtr	200.00	5.50	1100.00
47	Supplying Fully Automatic Star- Delta Starter Unit Push Button Type With Suitable Wires 3 Contractors, One Adjustable Thermal Timer Mounted on a Common Base Plate held in Steel Enclosure For Use on 400/440 Volts 3 Phase and Wired after Fixing to the Exisiting Wooden Board For Motor, PRE Electrical SR-2014-15, Page No-44 Item No-6(2) 12.50 H.P	Each	10.00	6583.00	65830.00
48	Supplying and fixing single phase preventer PWD Electrical SR 2010-11 (P.14 , Sl. No.9)	Each	40.00	735.00	29400.00
49	Supplying fixing and wiring 0 to 600 Volts 96 x 96mm AC voltmeter - PWD Electrical SR 2010-11 (P38, Sl. No.16)	Each	20.00	430.00	8600.00
50	Supplying fixing and wiring 0 to 100 Amps Direct Reading AC analog Ammeter - PWD Electrical SR 2010-11 (P 39 Sl. No.19)	Each	20.00	495.00	9900.00
51	Supplying, fixing and wiring rotary selector switch suitable for ammeter - PWD Electrical SR 2010-11 (P39, Sl. No.21)	Each	20.00	430.00	8600.00

(1)

	Particulars	Unit	Qty	Rate	Amount
	Yield Testing of Borewell at fini depth with a minmum of 10 hours continously with the help of Pump Testing Unit including the cost of transportation charges crew charges and cost of consumables BWSSB SR 2014-15 P.55 I.9	Each	9.00	7150.00	64350.00
65	Fishing of Power from the borewell including the cost of labour materials with all lead and lift etc., complete BWSSB SR 2014-15 (P.57 I. 23)	Each	2.00	4620.00	9240.00
66	Old GI pipe threading and transportation charges Rs.27 Per Mtr = 6.00 Mtrs x 27/- (PWD SR 11-12 Page 18, 3.11.6)	Each	300.00	162.00	48600.00
67	Misc and rounding off				122.25
	(Rupees Forty Five Lakhs Only)			Total	4500000.00

CERTIFICATE

1) The work spot has been inspected and the work found to be necessary
2) The Estimate is prepared as per the PWD SR 2015-16 And BWSSB S.R 2014-15
3) The provision made in estimate are inadequated and essential
4) The area comes under BBMP limits

Asst. Engineer
Ward No-12

Asst. ExecutiveEngineer
Shetty halli Sub- Division, BBMP

Executive Engineer
Dasarahalli Zone, BBMP

ಸಂ. JC/D/AS/DR/73/16-17 ದಿನಾಂಕ : 13/1/17
ರೂ. 45.00 lakhs (Rupees Forty five Lakhs Only)
ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ಸಂ.CE/DZ/TS/105/16-17 ದಿನಾಂಕ : 27/01/2017
ರೂ. 45.00 lak RUPEES only/-
ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

BRUHATH BANGALORE MAHANAGARA PALIKE

DASARA HALLI ZONE

Name of Work:- Maintanance of Borewell at Ward No 12 , Shetty Halli Sub Division.

Est.Cost:- 45.00Lakhs

	Particulars	Unit	Qty	Rate	Amount
	PART-A				
	MOTOR REWINDING				
	Repairs to Motor Rewinding of submersible pumpsets with copper insulation wire suitable guage as per ISI specification with guarantee of 6 months, Above 5H.P Upto 10.H.P add Rs 192.50 / per Every .5HP, Above 10 H.P Upto 20 HP Add 175 per every .5 HP (BWSSB SR 14-15 P-58 I-A)				
	7.50 HP (BWSSB SR 14-15 P-58 I-A)	No	10.00	3822.50	38225.00
	10.00 HP (BWSSB SR 14-15 P-58 I-A)	No	60.00	4785.00	287100.00
	12.50 H.P (BWSSB SR 14-15 P-58 I-A)	No	20.00	5885.00	117700.00
	15.00 HP (BWSSB SR 14-15 P-58 I-A)	No	12.00	6985.00	83820.00
B	**Repair of Pump parts**				
	Replacement of Pump parts the following main components of submersible pump setss requiring replacement (BWSSB SR 14-15 P-58 I B1 to 17)				
2	Pump bowls	No	850.00	308.00	261800.00
3	Intermediate piece (I.P)with 1.P. Leaded Bronze Bush	No	80.00	715.00	57200.00
4	Oil seal	No	160.00	121.00	19360.00
5	Oil seal steel bush	No	80.00	132.00	10560.00
6	Guide Vane	No	1200.00	192.50	231000.00
7	Impeller (Shell moulded with aluminium &bronze)	No	1200.00	264.00	316800.00
8	Discharge outlet (D.O) Bearing D.O Steel Bush	No	80.00	522.50	41800.00
9	D.O Bearing	No	200.00	93.50	18700.00
10	Steel bearing Bush (D.O Steel Bush)	No	200.00	176.00	35200.00
11	Alen Screw	No	160.00	77.00	12320.00
12	Pump shoft made out of stainless steel centreless ground with key (up to 8 stages)+ Rs.40/- extra 20 stages	No	60.00	660.00	39600.00
13	Pump key (stainless steel)	No	80.00	121.00	9680.00
14	pump coupling (stainless steel)	No	80.00	341.00	27280.00
15	Non-return valve (NRV) assembly complete with rubber 'O' ring	Each	80.00	572.00	45760.00
16	Cable Guad	Each	160.00	165.00	26400.00
17	Strainer	Each	50.00	192.50	9625.00
18	Brass Filter	Each	50.00	121.00	6050.00
19	Labour charges (Over hauling only)	Each	80.00	550.00	44000.00
C	**Replacement of Motor parts**				0.00
20	Above 4H.P below 5H.P Stator (With one year guarantee)	Each	20.00	5940.00	118800.00
21	Above 4H.P below 5H.P Rotor (With one year guarantee)	Each	20.00	4400.00	88000.00
22	Upper Flange	Each	80.00	330.00	26400.00
23	Lower Housing	Each	80.00	539.00	43120.00